NAV1072A NAV 72CH Recorder

www.meritlilin.com

- ONVIF Profile S, LILIN IP cameras, PTZ domes, and DVRs/NVRs are supported.
- Up to 72 channels 1080P/3M/4M/5M/8M Network streaming, recording, and display
- 3U 19" chassis, built-in hardware RAID system, support up to 16 x 3.5" hot-swap HDDs.
- Failover, video archive, record file sync. and SmartSearch support.
- Dual streaming decoding mode supported
- 2 monitors support up to 36 channels Video display.
- Support multi-channels playback/record file backup for remote or local.
- Support image archive mechanisms
- Built-in dual port Gigabit Ethernet.
- Redundant Power Supply.
- 3U dimension for standard cabinet.

Introduction

LILIN NAV1072A 72-ch recorder supports LILIN IP cameras, PTZ dome IP cameras, DVRs, and NVRs. The recorder features up to 72-ch 1080P/3M/4M/5M/8M network streaming, recording, and display.
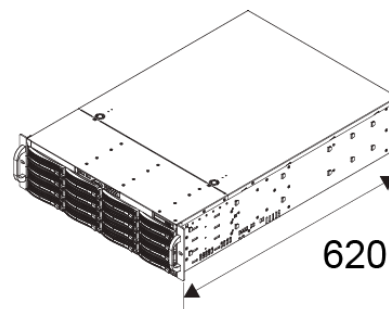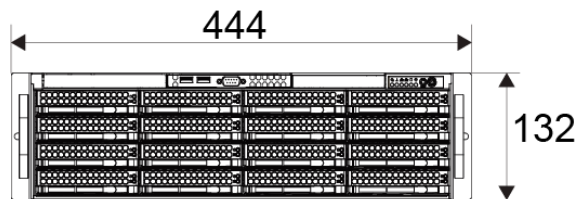
The recorder is equipped with hardware RAID. It has built-in dual port Gigabit Ethernet and supports 2 monitors. Multi-channels playback for remote or local NAV, failover, video archive, and video sync are supported.

NAV1072A is capable of continuous and schedule recordings. Supports alarm detections including motion, alarm, audio, IVS, and ANPR (optional) for triggering various alarm outputs. NAV1072A also support up to 1080P 120FPS and 4K 30FPS video streams.

Simultaneous playback for 36-ch, 2 monitors support, camera groupings, authentication, two-way audio, and dual-streaming provide extra flexibilities for the video management system. Supports the flexibility of quickly adding devices easily.

Dimensions

132 (H) × 444 (W) × 620 (D) mm

444

132

620

NAV 72CH Recorder

Basic Spec

Model	NAV1072A
Chassis	3U Chassis
Network video support	ONVIF Profile S, LILIN IP camera, LILIN IP PTZ dome, LILIN DVR/NVR, NAV Server
Input	Up to 72 channels 1080P / 3M / 4M / 5M / 8M
Network video format	H.264 / H.265 / MJPEG
Maximum network throughput	Upload: up to 500Mbps, Download: up to 500Mbps
Internal HDD	16 × 3.5" SATA HDDs

Recording mode

Recording mode	Alarm, motion, schedule, and manual
Recording schedule	7 days × 24 hrs time table, recording mode configurable
Recording speed	Max 8MP@30fps, 5MP@12 fps, 4MP@20fps, 3MP@15 fps, 1080p@120 fps, and ROI recording supported
Recording resolution	3840 × 2160, 2592 × 1944, 2048 × 1536, 1920 × 1080, 1280 × 1024, 1280 × 768, (720 × 480 / 720 × 576), 320 × 240
Alarm recording	Face detection, audio detection, tamper, motion, IVS, DI alarm detection, and ANPR (optional)
Audio recording	Yes
Circular recording	Yes / size customizable
Limited recording	Yes / days customizable
Video archiving	Yes
Low bitrate recording	Yes
Remote network NAS	Yes

Playback

Playback search	Name, time, event, POS SmartSearch, motion SmartSearch, plate search (optional), record tagging
Playback resolution	3840 × 2160, 2592 × 1944, 2048 × 1536, 1920 × 1080, 1280 × 1024, 1280 × 768, (720 × 480 / 720 × 576), 320 × 240
Video speed	Max 8MP@30fps, 5MP@12 fps, 4MP@20fps, 3MP@15 fps, 1080p@120 fps
Playback speed	FR: 1/8, 1/4, 1/2, 1X, 2X, 4X, 8X, 16X 32X FF: 1/8, 1/4, 1/2, 1X, 2X, 4X, 8X, 16X,32X
Backup / Video input	Max. 36 channels, AVI file format supported
Remote video	NAV Server / Navigator Client / DVR / NVR / IP camera SD card supported, max. 36 channels

Video input

Support quantity	Max. 72 channels
Camera name	20 characters
Channel editing	Mouse drag-n-drop
Digital zoom	Yes, ePTZ supported
Grouping	User grouping authentication assignable for eMap, and Navigator 2.0
Remote monitoring	Yes, web and NAV Client

Video output

HDMI output	1 × HDMI Port 2.0, (4096 × 2160@60Hz)
DVI output	1 × DVI-D Port, (1920 × 1080@60Hz)
DisplayPort output	1 × DisplayPort 1.4, (4096 × 2304@60Hz)
Mosaic TV Wall	2 monitors support up to 36 channels Video display.(480P 15fps)
NAV TV Wall	2 monitors support up to 36 channels Video display.(480P 15fps)
Split screen	4, 9, 16, 25, 36
Dual stream technology	Multi-channel displays D1 and full screen displays 1080P / 3M / 4M / 5M / 8M resolution

Alarm / event

Alarm management	Alarm popup for full screen, pc sound, redirect IP camera's digital output, email snapshots, redirect a PTZ preset recall
Alarm recording	audio detection, tamper, motion, IVS, DI alarm detection, and ANPR (Optional)
Alarm event actions	Various alarm log including video loss, stop recording, schedule, logon, operation log
Digital output	Controllable via IP cameras

Video archiving

Video archiving & sync	Video archiving & sync

Accessories

Keyboard	PIH-931D keyboard controllable via rs-485 for PTZ, ePTZ, and ROI features
Audio	PCM, two-way audio, audio recording
POS	PS/2
Protocols	ARP, TCP/IP, HTTP, SMTP, DNS, PPPoE, ONVIF
Mobile phone	LILINViewer, iPhone and Android
IP Scan	Supported, easy-to-setup for IP address
VMS support	Support NAV Client VMS software
eMap	Supported

Hardware

CPU	Intel® Xeon® E5-2620 v4
RAM	2 × DDR4 8GB
Chipset	Intel® C612
Display card	1 × GTX 1050TI 4GB
Audio	5 × Audio jack(s), 1 × S/PDIF
USB port of rear panel	6 × USB 3.0
USB port of front panel	-
System fan	1 × 60mm rear exhaust fans
Raid control	LSI SAS 9361-8i RAID
Raid mode	RAID 0, 1, 5, 6, 10, 50, 60
Hot spare	support
SSD / HDD	1 × SATA 120GB SSD (OS System) Note: Do not use WD Purple HDDs for NAV HDD installation. Please use 7200RPM WD Red Pro for non-RAID installation, WD Gold Enterprise HDDs for RAID installation, or other Enterprise HDDs.

Other

Watch dog	NAV failover / NAV monitoring station
Language	English, Chinese, Spanish, French, Italian, Japanese, Russian, Portuguese, Simplified Chinese, Czech, Slovene, German
OS	Windows 10 embedded LTSB
DST	Daylight saving time by Windows OS
Certificate	CE, FCC

Power and environment

Power consumption	Redundant 800W Power Supply
Power supply	110V – 240V
Operating Temperature	5°C – 35°C(41°F – 95°F)
Storage Temperature	-40°C – 70°C(-40°F – 158°F),
Relative Humidity	8% – 90% (non-condensing)
Dimension (mm)	132 (H) × 444 (W) × 620 (D) mm
Color	Black
Weight	74.3 lbs (33.7kg)